proaches nearer to *Nepenthes*, where the dehiscence of the operculum and of the pitcher is also horizontal or very nearly so. Only here the operculum continues, whilst elsewhere it is removed.

B. The *polyphyllous ascidia* are formed of several leaves. Up to the present time diphyllous alone have been observed, but the study of the conditions in which they arise evidently proves that there is great probability of our finding triphyllous, tetraphyllous, pentaphyllous, and in short polyphyllous, especially in plants where the leaves are verticillate.

It is thus that a just appreciation of things anticipates ulterior discoveries, and it is the best proof that a *science of observation* is quite as exact as a *science of calculation.*

XLV.—*Descriptions of British* Chalcidites. By Francis Walker, F.L.S.

[Continued from p. 182.]

Sp. 59. Cirrospilus Rapo. *Viridis aut cyaneus, abdomen cupreum, antennæ nigræ aut piceæ, pedes picei, tarsi pallidiores, femora cyanea, alæ limpidæ.*

Mas. Viridi-cyaneus: oculi et ocelli rufi: antennæ nigræ; articuli 1us et 2us nigro-cyanei: abdomen nigro-cupreum: pedes picei; coxæ virides; genua fulva; tarsi flavi, apice fusci; propedum tibiæ fuscæ, tarsi fulvi: alæ limpidæ; squamulæ piceæ; proalis nervi fusci, metalis fulvi.

Fem. Cyaneus: antennæ nigro-piceæ; articuli 1us et 2us cyanei: pedes coxis et femoribus nigro-cyaneis. (Corp. long. lin. $\frac{2}{3}$; alar. lin. 1.)

Var. β. *Fem.*—Meso- et metatarsi fusci, basi fulvi.

Var. γ. *Fem.*—Abdomen cyaneo-varium: pedes nigro-cyanei; trochanteres picei; genua flava; tibiæ piceæ; tarsi fusci; protibiæ fuscæ, basi supra fulvæ.

Var. δ. *Fem.*—Obscure viridis: antennæ nigro-piceæ; articuli 1us et 2us virides: abdomen cyaneo-cupreum; trochanteres fulvi, tarsi fulvi, apice fusci; protarsi obscuriores.

Found near London.

Fem. Corpus sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, breve, convexum, juxta thoraci latum: antennæ clavatæ, corporis dimidio breviores; articulus 1us gracilis, sublinearis; 2us longicyathiformis; 4us 3° brevior; 5us adhuc brevior; clava fusiformis, acuminata, articulo 5° duplo longior: thorax brevi-ovatus, convexus: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum latitudine longius; parapsidum suturæ bene determinatæ; scutellum brevi-conicum: metathorax transversus, mediocris: petiolus brevissimus: abdomen longiovatum, tho-

race multo longius vix latius, supra planum, subtus carinatum, apice acuminatum: pedes graciles: proalæ latæ; nervus ulnaris humerali longior, radialis vix ullus, cubitalis sat longus.

Sp. 60. Cirr. Aristæus, Fem. *Cyaneo-viridis, abdomen cupreum, antennæ piceæ, pedes fusco-picei, femora viridia, alæ limpidæ.*

Cyaneo-viridis: oculi et ocelli rufi: antennæ piceæ; articuli 1us et 2us virides: abdomen cupreum, apice viridi-varium: pedes virides; trochanteres fulvi; genua fulva; tibiæ piceæ; tarsi pallide fusci; protibiæ fulvæ: alæ limpidæ; squamulæ piceæ; nervi fusci. (Corp. long. lin. $\frac{2}{3}$; alar. lin. 1.)

Var. β.—Tibiæ fuscæ; protibiæ pallide fulvæ.

May; Hampshire.

Fem. Corpus sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, breve, convexum, juxta thoraci latum: antennæ subclavatæ, corporis dimidio non longiores; articulus 1us gracilis, sublinearis; 2us longicyathiformis; 4us 3° brevior; 5us adhuc brevior; clava fusiformis, acuminata, articulo 5° duplo longior: thorax ovatus, convexus: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum latitudine longius; parapsidum suturæ bene determinatæ; scutellum breviconicum: metathorax transversus, mediocris: petiolus brevissimus: abdomen fusiforme, thorace multo longius, fere angustius, supra planum, subtus carinatum, apice attenuatum: pedes graciles: proalæ mediocres; nervus ulnaris humerali longior, radialis vix ullus, cubitalis sat longus.

Sp. 61. Cirr. Rhipheus, Fem. *Viridis æneo-varius, abdomen cupreum, antennæ piceæ, pedes picei, tarsi fulvi, alæ limpidæ.*

Nigro-viridis: oculi et ocelli rufi: antennæ piceæ; articuli 1us et 2us virides: abdomen cupreum: pedes picei; coxæ virides; genua fulva; tarsi fulvi, apice fusci; propedum femora apice fulva, tibiæ fulvæ, tarsi obscuriores: alæ limpidæ; squamulæ piceæ; nervi fusci. (Corp. long. lin. $\frac{2}{3}$—$\frac{3}{4}$; alar. lin. 1—1$\frac{1}{4}$.)

Var. β.—Antennæ nigro-piceæ: femora viridia.

Var. γ.—*Var.* β. similis: abdomen viridi-varium.

Var. δ.—*Var.* β. similis: thorax æneo-viridis.

Found near London.

Fem. Corpus sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, breve, convexum, juxta thoraci latum: antennæ subclavatæ, corporis dimidio longiores; articulus 1us gracilis, sublinearis; 2us longicyathiformis; 4us 3° brevior; 5us adhuc brevior; clava fusiformis, acuminata, articulo 5° duplo longior: thorax ovatus, convexus: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum latitudine longius; parapsidum suturæ bene determinatæ; scutellum breviconicum: metathorax transversus, mediocris: petiolus brevissimus: abdomen longiovatum, thorace angustius et multo longius, supra planum, subtus carinatum, apice attenuatum; segmentum 1um magnum; 2um et sequentia breviora, transversa: pedes graciles; tarsis articuli 1° ad 3um curtantes, 4us 3° longior: proalæ latæ; nervus ulnaris humerali longior, radialis vix ullus, cubitalis sat longus.

Sp. 62. Cirr. Sotades, Fem. *Cyaneo-viridis, abdomen cupreum, antennæ piceæ, femora viridia, tibiæ fulvæ, tarsi flavi, alæ limpidæ.*

Cyaneo-viridis: oculi et ocelli rufi: antennæ piceæ; articuli 1us et 2us virides: abdomen cupreum: pedes virides; trochanteres fulvi; genua flava; tibiæ fulvæ; tarsi flavi, apice fusci; protarsi fulvi: alæ limpidæ; squamulæ piceæ; nervi pallide fusci. (Corp. long. lin. $\frac{2}{3}$; alar. lin. 1.)

Found near London.

Fem. Corpus sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, breve, convexum, juxta thoraci latum: antennæ subclavatæ, corporis dimidio non longiores; articulus 1us gracilis, sublinearis; 2us longicyathiformis; 4us 3° brevior; 5us adhuc brevior; clava fusiformis, acuminata, articulo 5° duplo longior: thorax ovatus, convexus: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum latitudine longius; parapsidum suturæ bene determinatæ; scutellum brevi-conicum: metathorax transversus, mediocris: petiolus brevissimus: abdomen fusiforme, thorace angustius et multo longius, supra planum, subtus carinatum, apice attenuatum: pedes graciles: proalæ mediocres; nervus ulnaris humerali longior, radialis vix ullus, cubitalis sat longus.

Sp. 63. Cirr. Anyta, Fem. *Cyaneo-viridis, abdomen cupreum, antennæ fuscæ, pedes picei, femora viridia, alæ limpidæ.*

Cyaneo-viridis: oculi et ocelli rufi: antennæ pallidæ fuscæ; articuli 1us et 2us virides: abdomen cupreum: pedes picei; coxæ virides; femora viridia; genua fulva; tarsi basi fulvi; propedum tibiæ obscure fulvæ, tarsi fusci: alæ limpidæ; squamulæ piceæ; nervi fulvi. (Corp. long. lin. $\frac{1}{2}$; alar. lin. $\frac{3}{4}$.)

Var. β.—Antennæ obscure fuscæ.

Found near London.

Fem. Corpus sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, breve, convexum, juxta thoraci latum: antennæ subclavatæ, corporis dimidio longiores; articulus 1us gracilis, sublinearis; 2us longicyathiformis; 4us 3° brevior; 5us adhuc brevior; clava fusiformis, acuminata, articulo 5° duplo longior: thorax ovatus, convexus: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum latitudine longius; parapsidum suturæ bene determinatæ; scutellum breviconicum: metathorax transversus, mediocris: petiolus brevissimus: abdomen fusiforme, thorace longius et angustius, supra planum, subtus carinatum, apice attenuatum et acuminatum: pedes graciles: proalæ latæ; nervus ulnaris humerali longior, radialis vix ullus, cubitalis sat longus.

Sp. 64. Cirr. Rhœsus, Fem. *Viridis cupreo-varius, antennæ piceæ, pedes fulvi, femora viridia, alæ limpidæ.*

Obscure viridis cupreo-varius: oculi et ocelli rufi: antennæ piceæ; articuli 1us et 2us virides, hic apice et subtus fuscus: abdomen cupreum, cyaneo-viridi-varium: oviductus vaginæ nigræ: pedes fulvi; coxæ virides; femora viridia, apice flava; tarsi apice fusci; protarsi obscuriores: alæ limpidæ;

squamulæ piceæ; nervi proalis fusci, metalis flavi. (Corp. long. lin. 1; alar. lin. $1\frac{1}{7}$.)

Found near London.

Sp. 65. Cirr. Alcithoe, Fem. *Viridis aut cyaneus, præcedente minor gracilior, abdomen cupreum, antennæ piceæ, pedes fusci aut fulvi, femora cyanea, alæ limpidæ.*

Nigro-viridis: oculi et ocelli rufi: antennæ piceæ; articuli 1us et 2us nigro-cyanei: abdomen nigro-cupreum: pedes cyanei; trochanteres fulvi; genua fulva; tibiæ fuscæ, basi fulvæ; tarsi fulvi, apice fusci; propedum tibiæ fulvæ, tarsi fusci: alæ sublimpidæ; squamulæ piceæ; proalis nervi fusci, metalis flavi. (Corp. long. lin. $\frac{3}{4}$; alar. lin. 1.)

Var. β.—Antennæ nigro-piceæ; articuli 1us et 2us nigro-ænei: pedes fulvi; coxæ nigræ; femora nigra; metatibiæ fuscæ; tarsi flavi, apice fusci: protarsi fulvi.

Var. γ.—Nigro-cyaneus: pedes nigro-cyanei; trochanteres fusci; genua flava; tibiæ fulvæ; tarsi flavi, apice fusci; protarsi fulvi.

July; near London.

Sp. 66. Cirr. Phalis, Fem. *Nigro-cupreus, antennæ fuscæ, pedes picei, femora cuprea, alæ limpidæ.*

Nigro-cupreus: oculi et ocelli rufi: antennæ fuscæ; articuli 1us et 2us nigro-cuprei: abdomen cupreum: oviductus vaginæ nigræ: pedes cuprei; trochanteres fulvi; genua fulva; tibiæ piceæ; tarsi fusci: alæ limpidæ; squamulæ piceæ; nervi fulvi. (Corp. long. lin. $\frac{2}{3}$; alar. lin. 1.)

July; near London.

Fem. Corpus sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, breve, convexum, juxta thoraci latum: antennæ clavatæ, corporis dimidio longiores; articulus 1us gracilis, sublinearis; 2us longicyathiformis; 4us 3o brevior; 5us adhuc brevior; clava fusiformis, acuminata, articulo 5o duplo longior: thorax ovatus, convexus: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum latitudine longius; parapsidum suturæ bene determinatæ; scutellum brevi-conicum: metathorax transversus, mediocris: petiolus brevissimus: abdomen longiovatum, thorace longius vix latius, supra planum, subtus carinatum, apice acuminatum: proalæ latæ; nervus ulnaris humerali longior, radialis vix longior, cubitalis sat longus.

Sp. 67. Cirr. Zenocia, Fem. *Ater, abdomen cupreum, antennæ fuscæ, pedes nigri, tarsi pallidiores, alæ limpidæ.*

Ater: oculi et ocelli rufi: antennæ fuscæ; articuli 1us et 2us atri, hic apice fuscus: abdomen nigro-cupreum: pedes nigri: trochanteres fulvi; genua fulva; tarsi fulvi, apice fusci; propedum femora apice fulva, tibiæ fulvæ, tarsi fusci: alæ limpidæ; squamulæ piceæ; proalis nervi fusci, metalis flavi. (Corp. long. lin. $\frac{2}{3}$; alar. lin. 1.)

Var. β.—Tarsi picei, basi flavi.

July; near London.

Sp. 68. Cirr. Lysippe, Fem. *Ater præcedente multo minor, abdomen cupreum, antennæ fuscæ, pedes fusci, tarsi fulvi, alæ sublimpidæ.*

Ater: oculi et ocelli rufi: antennæ fuscæ; articuli 1us et 2us picei: abdomen nigro-cupreum: pedes fusci; coxæ nigræ; trochanteres fulvi; genua fulva; tarsi fulvi, apice fusci; protarsi obscuriores: alæ sublimpidæ; squamulæ fulvæ; proalis nervi fulvi, metalis flavi. (Corp. long. lin. $\frac{1}{3}$—$\frac{1}{2}$; alar. lin. $\frac{3}{5}$—$\frac{3}{4}$.)

July; near London.

Fem. Corpus sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, breve, convexum, juxta thoraci latum: antennæ clavatæ, corporis dimidio longiores; articulus 1us gracilis, sublinearis; 2us longicyathiformis; 4us 3o brevior; 5us adhuc brevior; clava fusiformis, acuminata, articulo 5° duplo longior: thorax breviovatus, convexus: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum latitudine longius; parapsidum suturæ bene determinatæ; scutellum brevi-conicum: metathorax transversus, mediocris: petiolus brevissimus: abdomen longiovatum, thorace multo longius vix latius, supra planum, subtus carinatum, apice acuminatum: pedes graciles: proalæ latæ; nervus ulnaris humerali longior, radialis vix ullus, cubitalis sat longus.

Sp. 69. Cirr. Achæmenes, Fem. *Æneus aut viridis, abdomen cupreum, antennæ piceæ, pedes fusci, femora ænea, tarsi flavi, alæ limpidæ.*

Nigro-æneus: oculi et ocelli rufi: antennæ piceæ; articulus 1us nigro-æneus: abdomen cupreum: pedes flavi; coxæ nigro-æneæ; femora nigro-ænea; tibiæ fuscæ; tarsi fulvi, apice fusci; propedum femora apice flava, tibiæ fulvæ, tarsi pallide fusci: alæ limpidæ; squamulæ piceæ; nervi fulvi. (Corp. long lin. $\frac{2}{3}$; alar. lin. 1.)

Var. β.—Nigro-viridis, abdomen cupreum.

Var. γ.—Mesotibiæ basi flavæ.

Found near London.

Mas. Corpus sublineare, nitens, scitissime squameum, parce hirtum: caput transversum, breve, convexum, juxta thoraci latum: antennæ filiformes, corporis longitudine, pilis longis vestitæ; articulus 1us longiovatus, latus; 2us longicyathiformis; 3us brevis; 4us, 5us et 6us longi, lineares; clava longifusiformis, acuminata, articulo 6° duplo longior: thorax ovatus, convexus: prothorax brevissimus, supra vix conspicuus: mesothoracis scutum latitudine longius; parapsidum suturæ bene determinatæ; scutellum breviconicum: metathorax mediocris, transversus: petiolus brevissimus: abdomen sublineare, planum, thorace brevius fere angustius: pedes graciles: proalæ angustæ; nervus ulnaris humerali longior, radialis vix ullus, cubitalis sat longus.

[To be continued.]